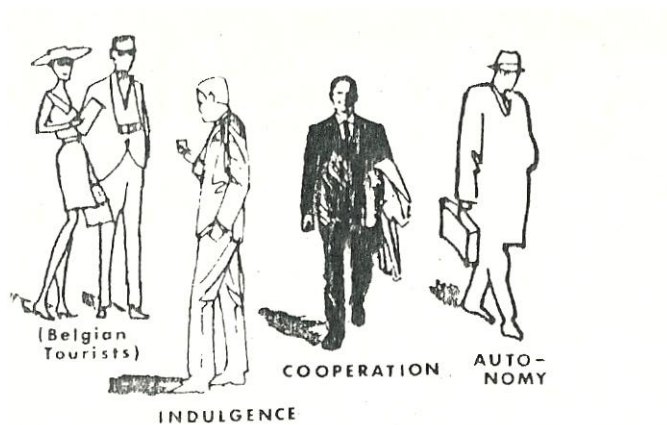


BACH in the mid 70s

Cours de Gnostalgie



HOW NOW, BROWN CO-OPS?

Themes

- History
- Houses
- The Corporation
- Administration through Humor
- The Concordance
- Collateral Damage
 - World Peace through Cheese Movement
 - Liberal Science



PowerPoint®

Evil

Columbia PowerPoint

On this one Columbia slide, a PowerPoint festival of bureaucratic hyper-rationalism, 6 different levels of hierarchy are used to display, classify, and arrange 11 phrases:

- Level 1 Title of Slide
- Level 2 • Very Big Bullet
- Level 3 — big dash
- Level 4 • medium-small diamond
- Level 5 • tiny square bullet
- Level 6 () parentheses ending level 5

The analysis begins with the dreaded Executive Summary, with a conclusion presented as a headline: "Test Data Indicates Conservatism for Tile Penetration." This turns out to be unmerited reassurance. Executives, at least those who don't want to get fooled, had better read far beyond the title.

The "conservatism" concerns the choice of models used to predict damage. But why, after 112 flights, are foam-debris models being calibrated during a crisis? How can "conservatism" be inferred from a loose comparison of a spreadsheet model and some thin data? Divergent evidence means divergent evidence, not inferential security. Claims of analytic "conservatism" should be viewed with skepticism by presentation consumers. Such claims are often a rhetorical tactic that substitutes verbal fudge factors for quantitative assessments.

As the bullet points march on, the seemingly reassuring headline fades away. Lower-level bullets at the end of the slide undermine the executive summary. This third-level point notes that "Flight condition [that is, the debris hit on the Columbia] is significantly outside of test database." How far outside? The final bullet will tell us.

This fourth-level bullet concluding the slide reports that the debris hitting the Columbia is estimated to be 1920/1 = 640 times larger than data used in the test database. The correct headline should be "Relevance of Two Models," indicating that pre-launch safety tests were based on lower-level bullets. Note how close readings can evaluate the presenter's reasoning.

The Very-Big-Bullet phrase fragment does not seem to make sense. No other VBB's appear in the rest of the slide, so this VBB is not necessary.

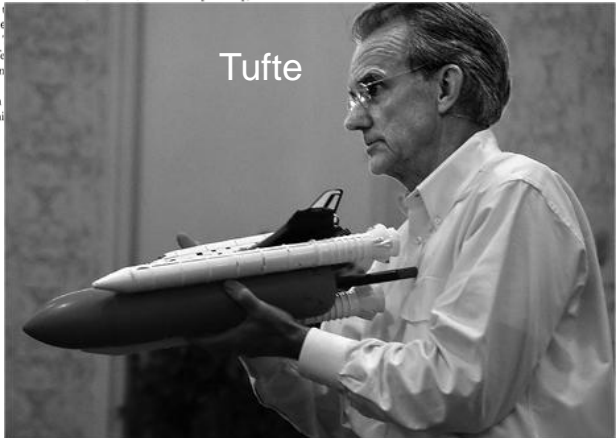
Spray On Foam Insulation, a fragment of which caused the hole in the wing

A model to estimate damage to the tiles protecting flat surfaces of the wing

Review of Test Data Indicates Conservatism for Tile Penetration

- The existing SOFI on tile test data used to create Crater was reviewed along with STS-87 Southwest Research data
 - Crater overpredicted penetration of tile coating significantly
 - Initial penetration to described by normal velocity
 - Varies with volume/mass of projectile (e.g., 200ft/sec for 3cu. in)
 - Significant energy is required for the softer SOFI particle to penetrate the relatively hard tile coating
 - Test results do show that it is possible at sufficient mass and velocity
 - Conversely, once tile is penetrated SOFI can cause significant damage
 - Minor variations in total energy (above penetration level) can cause significant tile damage
 - Flight condition is significantly outside of test database
 - Volume of ramp is 1920cu in vs 3 cu in for test

Here "ramp" refers to foam debris (from the bipod ramp) that hit Columbia. Instead of the

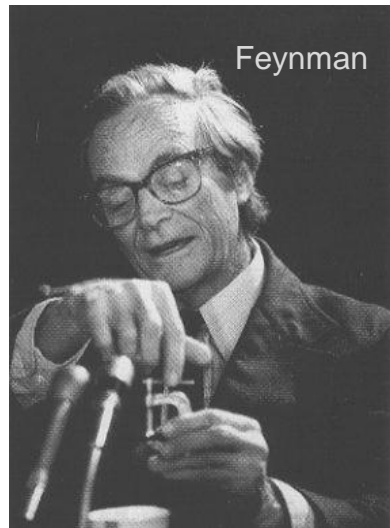
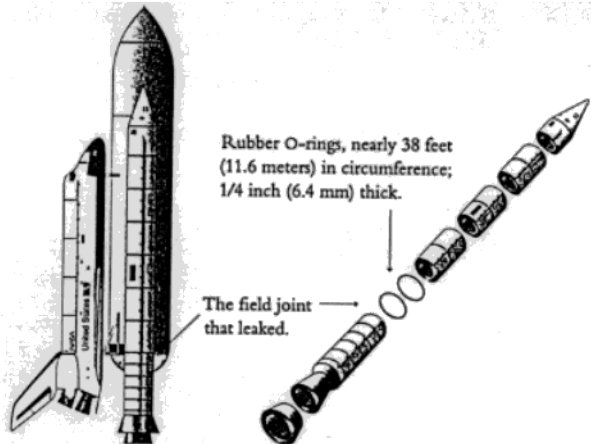
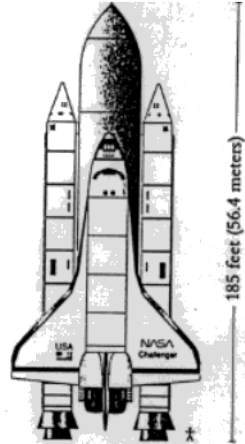


Tufte

2003

edwardtufte.com.

Challenger O-Rings



Feynman

1986

fis.utoronto.ca.

70's Timeline

1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979

1st Generation

2nd Generation

3rd Generation

New Curriculum

Co-op GISP

Houses brought up to fire code

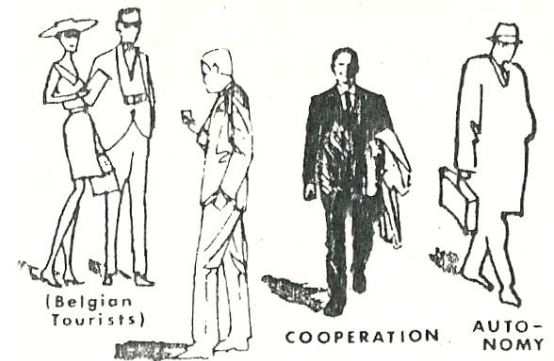
BACH forms leases 2 houses from Brown for 5 years (at \$1/year)

BACH purchases 166 Waterman

Leases renewed on Millhouse & Carberry)

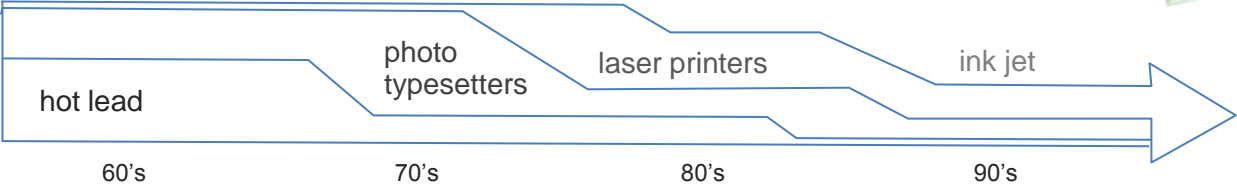
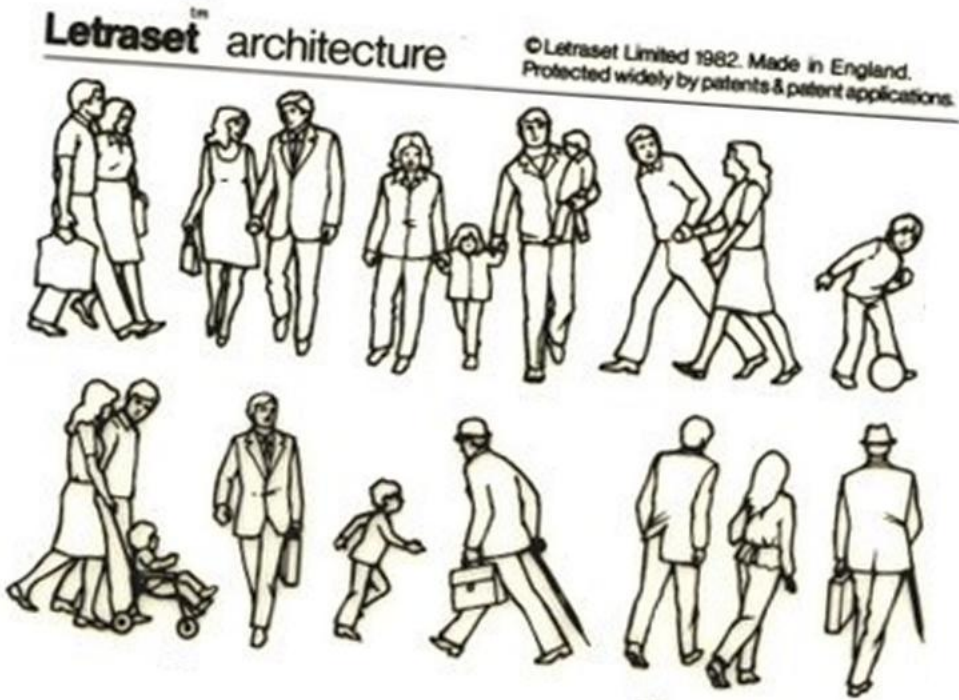
Construction loan (\$20K)

1st Five year renovation

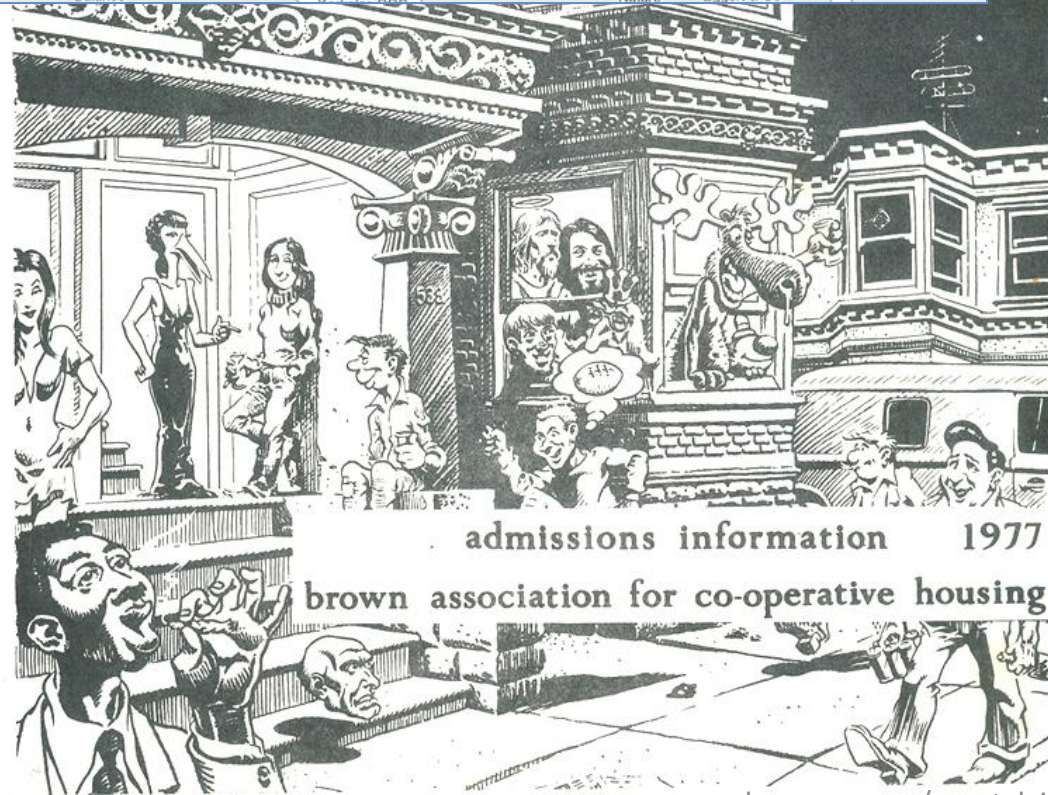


HOW NOW, BROWN CO-OPS?

Presstype



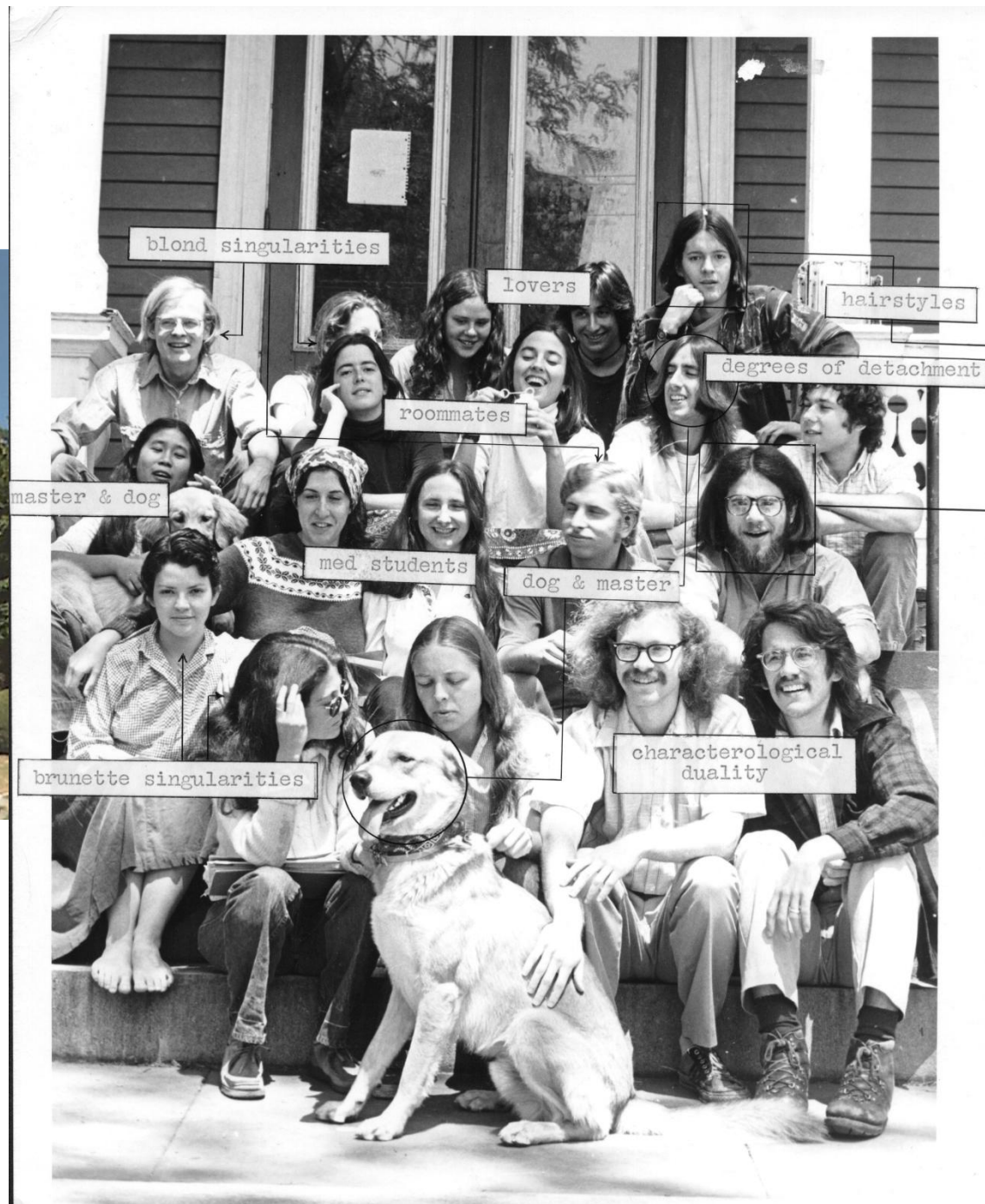
Houses



Mill house



Mill house runs by stopwatches...



Carberry



.. Carberry runs by horoscopes...

Water myn



house photo
1974-75

... Waterman runs
by time-release
antihistamines.

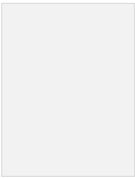












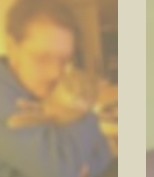

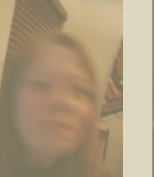
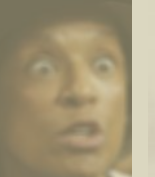



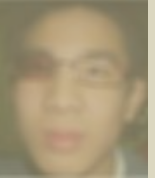


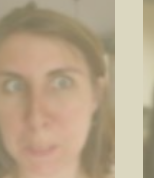
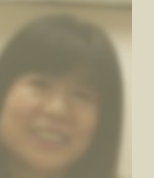
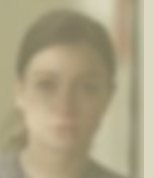

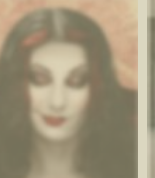












Water myn



house costume

preparation for 1974 Mill house Halloween Party

Coordinators

1970	1971	1972	1973	1974	1975	1976	1977	1978	1979
									
	Cowell	Cowell	Richieri	Eustis	Gosselin	Ray	Cheshire	Lobo	Jacobs
1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
									
Beesbak	Quilp	Mutenfarb	Eigenvalue	Frezz	Reese-Gomorroh	Shimple	Conk	Transferase	Guff
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
									
Kin Qi	Twackel	Bongo-Diode	Van Fimble	Ing	Wonton	Napolitano	DesMerdes	Blipstein	Measle
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
									
Black	Schnauz	Dinero	Gesichtbuch	Starr	Novell	O'Connor	Vail	Reddy-Best	Ray

5-Year Plans

B
A
C
H

Report on
Summer Renovations 1976



The Brown Association for Cooperative Housing

November 21, 1976

Summer Renovations



Artists!
Paupers!
VASELINOS...! ('VASELINOS...?')

**& OTHER POTENTIAL
RENT-STRIKERS:**

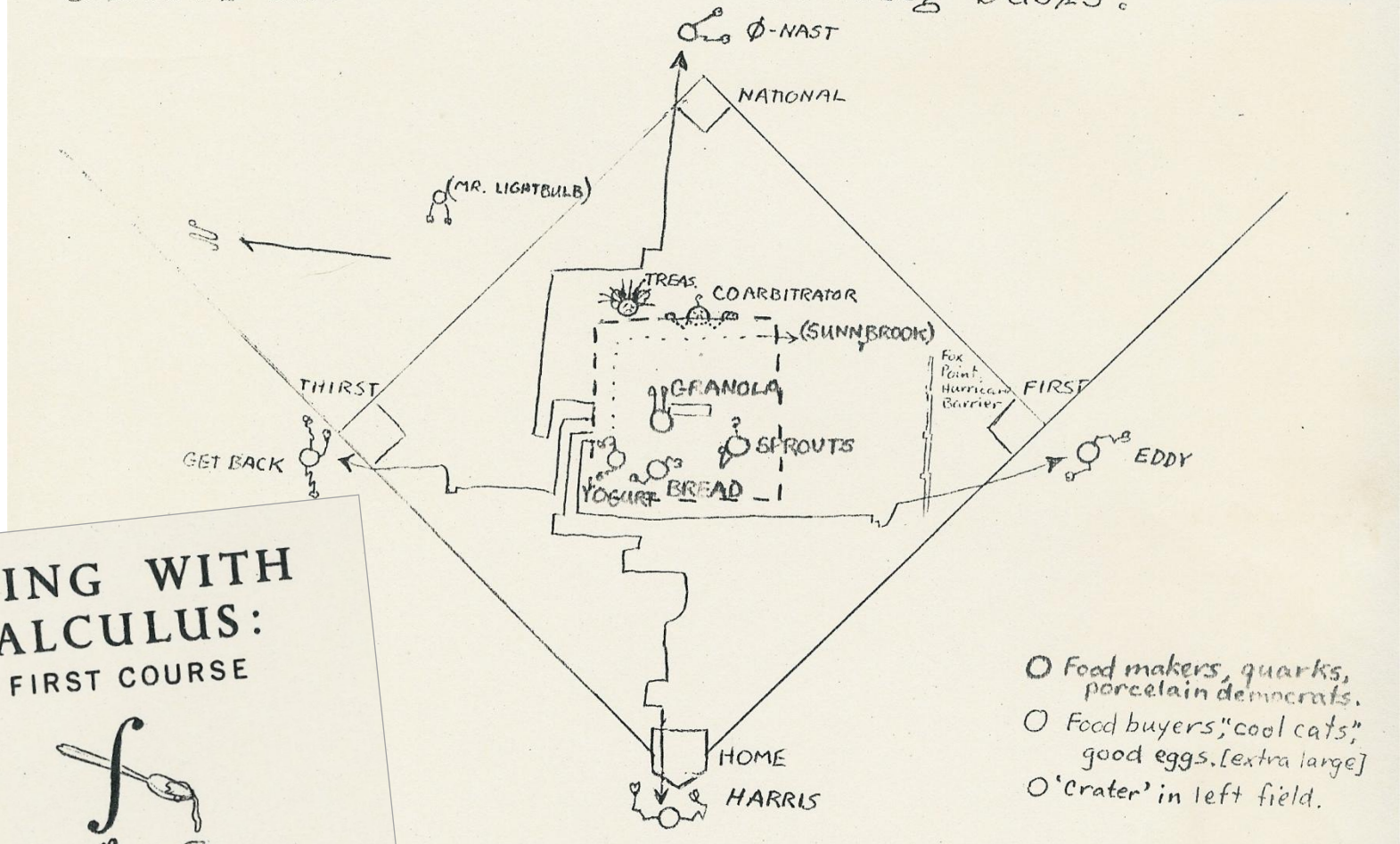
*Learn Interior Painting in
Your Spare Time!*

...YES, NOW YOU TOO CAN LEAVE AN INDELIBLE LATEX IMPRESSION
(WIDE CHOICE OF COLORS AVAILABLE) ON YOUR FAVORITE CO-OP WALL..

...AND GET PAID FOR YOUR ~~ENTHUSIAS~~ EFFORTS!!!

Food Buying

Schematically, the teams involved in food control interact on the following basis:



COOKING WITH
CALCULUS:
A FIRST COURSE



by Barrett Hazeltine

Board Meetings

Guide to B.A.C.H.

corporation meeting

SUNDAY, APRIL 18, 1975

CARBERRY



SCHEDULE

5:45	Drinks, Appetizers, Egg-rolling, etc.
6:00	Dinner
7:00	Meeting
7:45	(sheer optimism) Dessert

OBJECTIVE:

The residents of 166 Waterman, backed by the appended statistics (page 5), claim to be unpleasantly/unnecessarily/unworkably overcrowded. At their request the full corporation is meeting to vote on a number of possible revisions to Section 10, Amendment I (Admissions Policy) of the BACH By-Laws:

Section 10. Millhouse has 22, Carberry has 21, and 166 Waterman has 17 corporate members selected through the lottery system always.

Admissions

*You should be thinking about
next year's housing-- now.*

Informational meeting on CO-OPERATIVE
HOUSING for next year on Thurs. FEB. 5



HEY KIDS!!
...Wondering
what all this
"CO-OP" @#%*
means??

seminars

for CO-OP Admissions

are being held this WEEK

MON. thru THURS.

(feb. 9-12)

at the following times-places:

Millhouse	Carberry	Waterman
71 Charlesfield	79 Charlesfield	166 Waterman
every nite 7:30	every nite 7:30	every nite
In case you <u>missed</u> the <u>General Meeting</u> :		7:30 & 9:30

⇒ **It is not too late** ⇐
to see the houses and enter
the **LOTTERY**... (phew!)

Concordance

A CONCISE (& Quite Arbitrary) CONCORDANCE To MILLHOUSE MYTHOLOGY



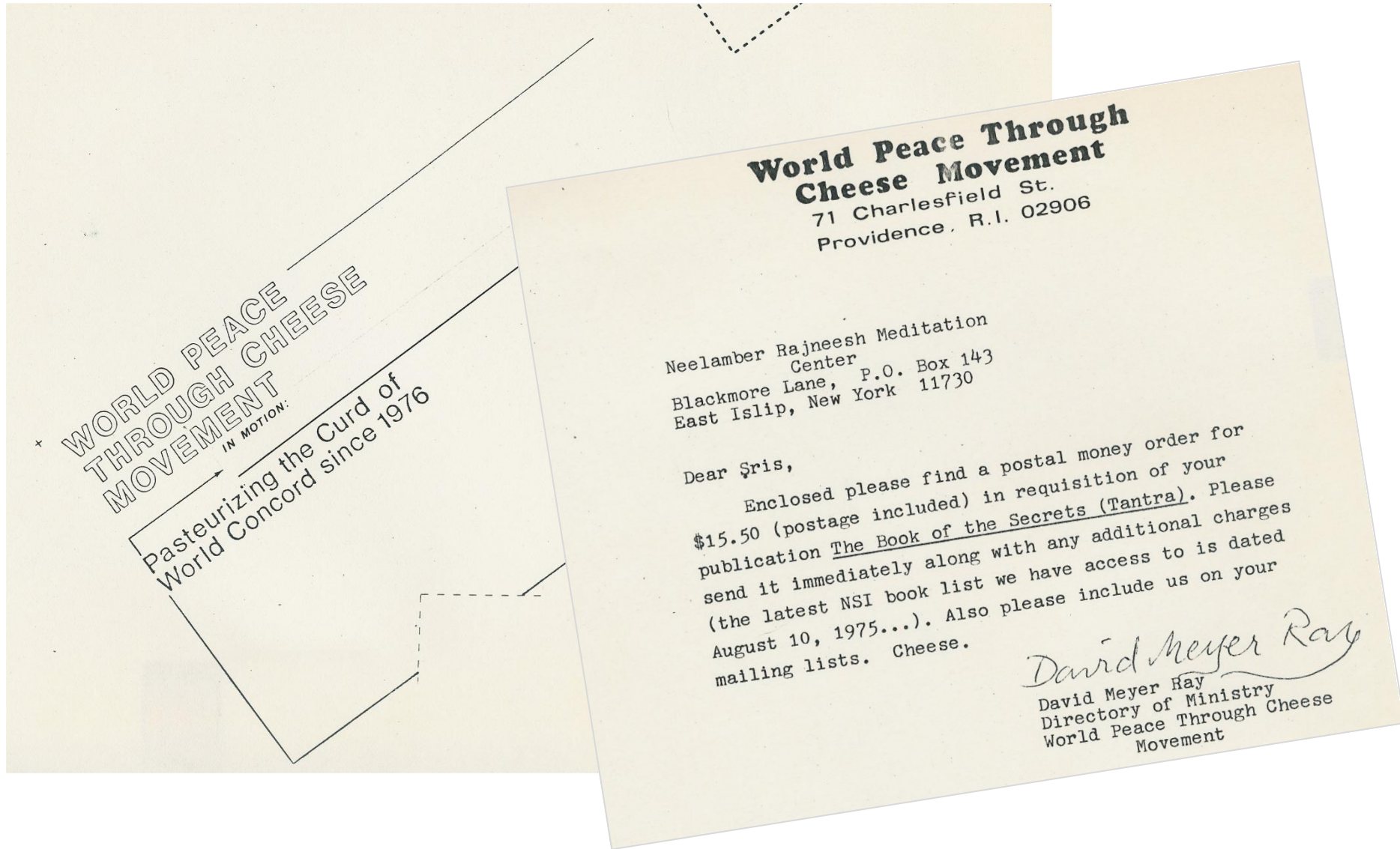
Abba = CAR(Abba Dabba?)

Abba Dabba? Profound philosophical inquiry attributed to L. Millhouse, whose original meaning remains unknown. (Possible interpretations include "If you're the last person outta the bathroom, and you didn't flush the toilet, is there smell?" (see Negin's First Postulate), "How long has it been?"(q.v.), and "Can I squeeze sum more into this parenthesis?")

Bâi-te Mai Dhóng Erstwhile Siamese exchange student who lived in the Ballroom and slept with a Thai.

Ballroom Current location of waterbed.

World Peace Through Cheese Movement



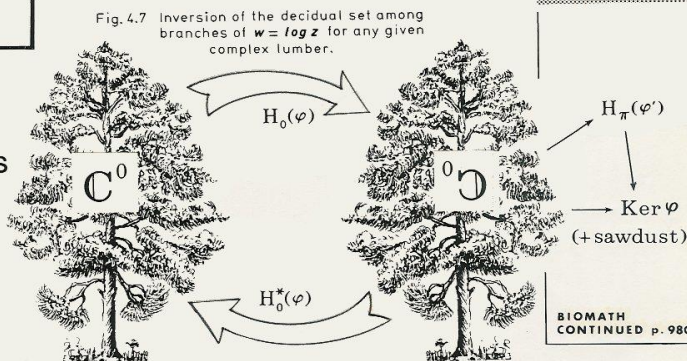
Liberal Science

mathemagic[∞]

Intermedial Organic Biomath:

E. F. Schumahler
Conjugate
Symmetrees
&
Root
Classes

Porcelain Press
141 pages; \$20



THE AUTHORIZED BIOGRAPHY BY
THE UNAUTHORIZED AUTHOR!

Ettore
Romano:
Man or
Meteorite?

by Tom J. McGee

(29 pages, hard bound; \$7.95)



'Fascinating... brilliant... use-
less... (Don't quote me!)

Charles A. Roszak
author of *The Greening of
a Counter Culture*

$$A = G \frac{m_1 m_2}{r^2}$$

VNR Handbook of Physics

'...I still prefer the sequel, Ettore
Romano Meets Judge Crater, for
sheer impact...'

Shulamith C. Hebrew

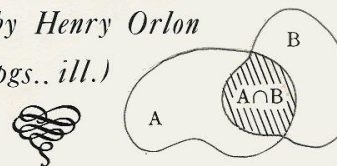
□ BOSTON
□ GREEN BAY
DEATH WISH PUBLISHING COMPANY

dwp



OUR FRIEND $\{0\}$
THE EMPTY SET

by Henry Orlon
(5 pgs., ill.)



"I enjoyed most of the pictures."

—Rep. Daniel J. Flood-D
Wilkes-Barre, Pa.



Doodles & Co. ★ New York

ABEL EQUALITY!

Like its Orthodox Scientific equivalent, mathemagic
is generally considered to be the vanguard of libe-
ral science—which is one reason why I stayed in
biology.

MZ